

48005

TEST VIPERS



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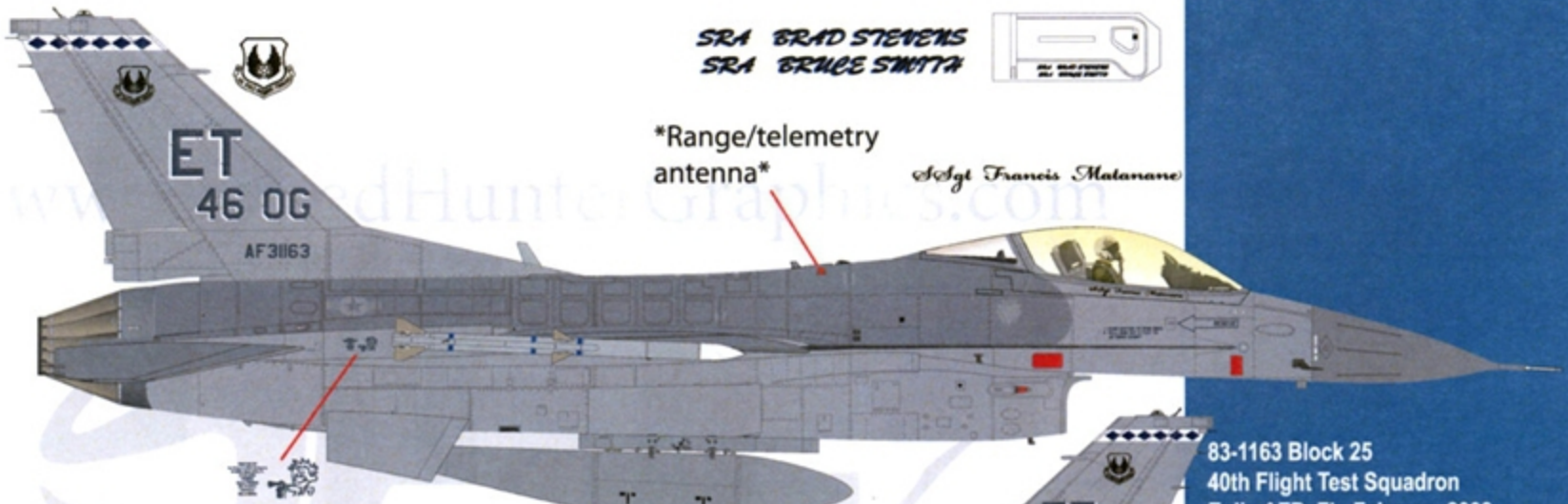


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SRA BRAD STEVENS
SRA BRUCE SMITH



Sgt Francis Malanane

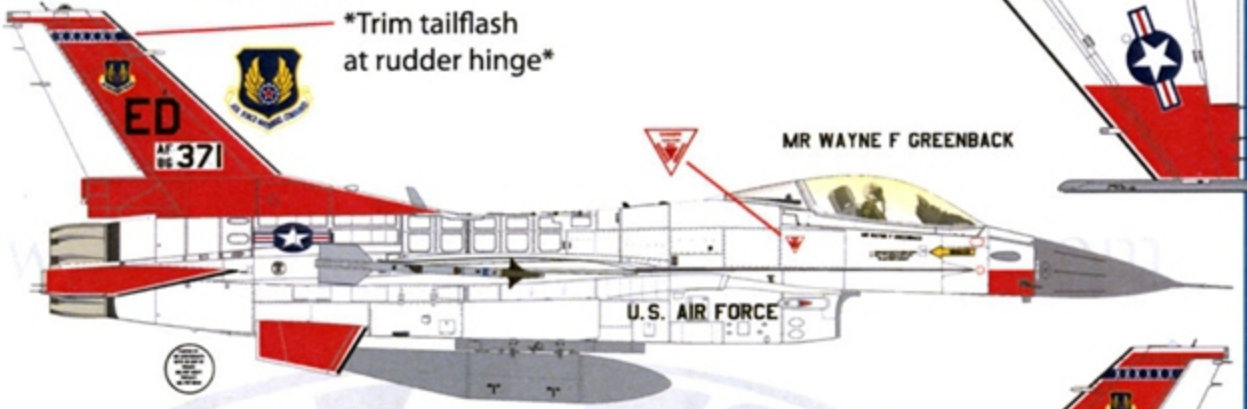
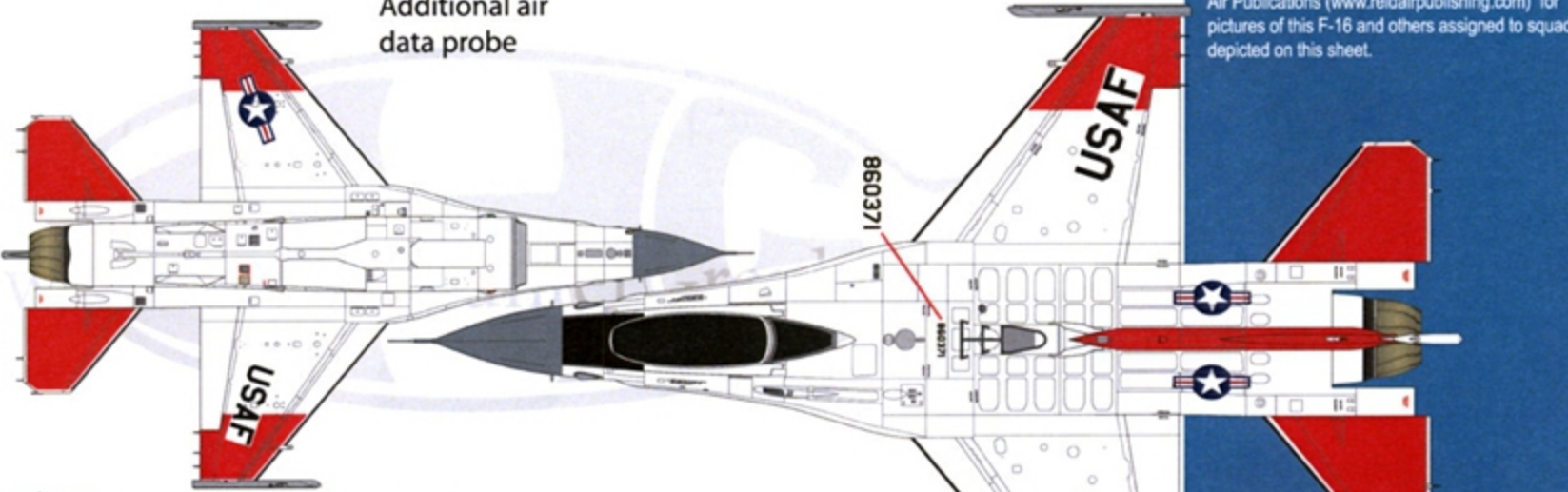
83-1163 Block 25
40th Flight Test Squadron
Eglin AFB, FL, February 2008

The 40th Flight Test Squadron is responsible for much of the developmental weapons testing for all branches of the US military and allied forces. This particular F-16 is heavily modified from standard, with the inclusion of test equipment and range/telemetry antennas installed throughout the airframe. The orange panels indicate the panels that house the equipment, such as the gun muzzle panel that has been faired over. This jet can be seen with any variety of weapons on its pylons; however, a 'typical' load is as shown in these profiles. Consult *The Viper Story, Part II: Test & Training F-16s*, available from Reid Air Publications (www.reidairpublishing.com) for pictures of this F-16 and others assigned to squadrons depicted on this sheet.



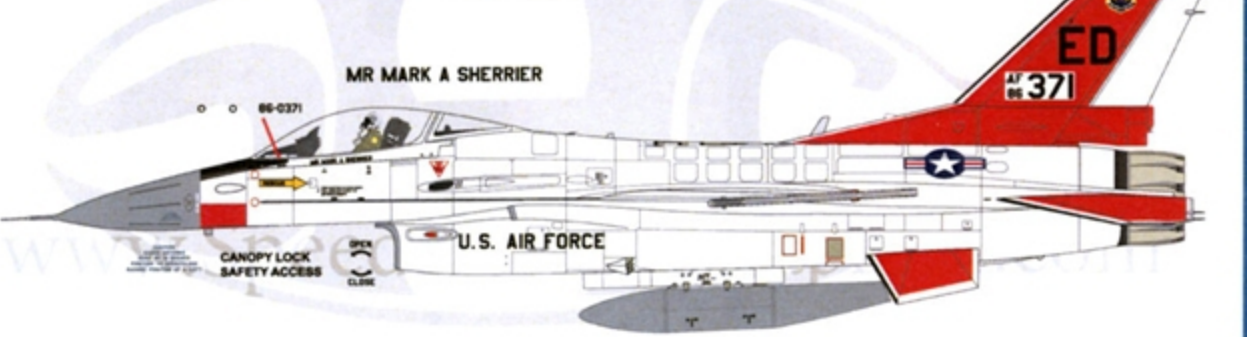
Col Bill "Thunder" Thornton

Additional air data probe



86-0371 Block 30
445th Flight Test Squadron
Edwards AFB, California, February 2010

86-0371 is one of several F-16s used by the 445th FLTS for general test and chase duties. A few jets have been kept in the 'clown' scheme, dating all the way back to the early 1980s. Ordnance on these Vipers is generally pretty light, with only a center fuel tank and a captive CATM-9M Sidewinder as shown. The centerline pylon and tank can be in white or standard gray. All antennas remain FS 36270 gray. Leading edges of vertical stabilizer, ventral stabilizers, wings, and horizontal stabilizers are black. Aside from No Step & Walkway markings, aircraft carried no maintenance and/or servicing stencils. The color scheme is FS12197 International Orange over FS 17875 Insignia White. This jet has since been repainted in the new overall dark gray Have Glass 5 paint.



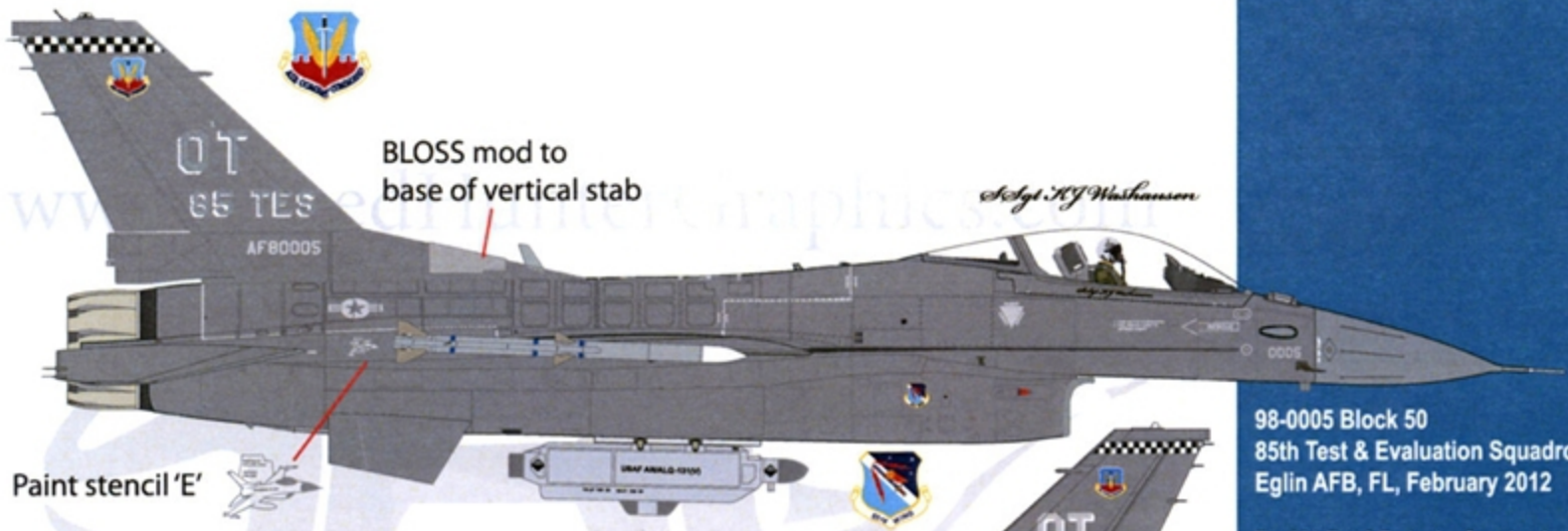


87-0391 Block 40
445th Flight Test Squadron
Edwards AFB, CA, February 2010

The 445th Flight Test Squadron is a general-purpose test squadron, using F-16s, T-38s, and C-12s for pilot proficiency, chase, and general testing duties. Some of these aircraft are heavily modified; some, like F-16D 87-0391, are only slightly modified from a standard Viper. This jet is equipped with an extended nose pitot probe, complete with four Angle of Attack and yaw vanes. Orange panels on the airframe indicate the inclusion of testing equipment. It has also been fitted with several range and telemetry equipment antennas to send data to ground test engineers in real-time during flight test missions. Like 86-0371 discussed on the previous page, ordnance loads for this F-16 are light, and generally only include captive Sidewinders on the wingtip stations and a centerline external fuel tank.

85-1560 & 86-0371 Block 30s
445th Flight Test Squadron
Edwards AFB, California, February 2014

One of the on-going test subjects performed by the 445th is a new paint scheme on the USAF F-16 fleet. Known as '5th Generation Have Glass,' the new scheme is in one overall dark grey color, very similar to that used on the F-35. First applied in early 2011, the paint is still undergoing scrutiny. For the most part, it has proven a success, but has been slow to make its way to fleet-wide service, due in no small part to funding, or lack thereof. To date, less than 15 jets fleetwide have received the new paint, and there is still no official word on whether or not it will ever become standard. There is no correct match available in any paint lines; however, a very close possible substitute may be FS 36076. Stencils are FS 36270 Neutral Gray. Notice the different badges on the vertical stabilizers between the two jets. Each jet uses a slightly different variation of the AFMC badge. The 412 TW badge is on the right intake of 371 while on the left intake of 560. The centerline fuel tank can be standard Neutral Gray or overall dark gray to match the Have Glass 5 paint. Decals are included to model the tank in the new paint.



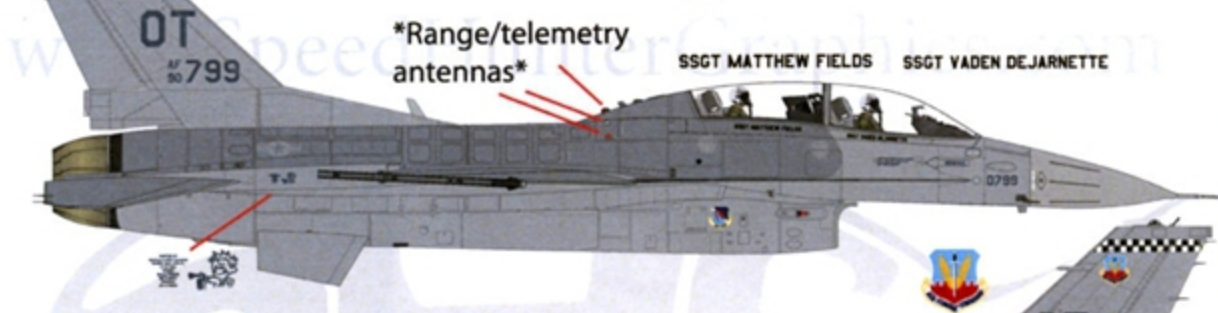
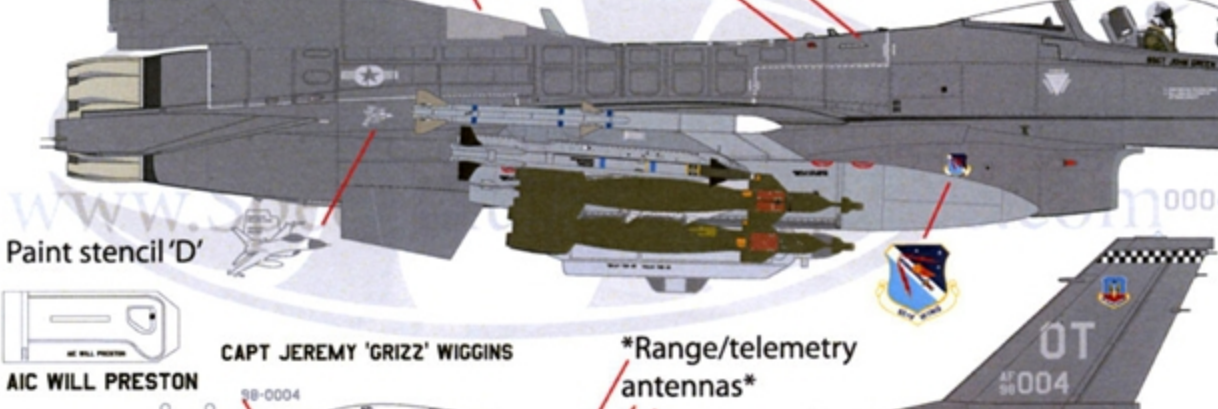
98-0005 Block 50
85th Test & Evaluation Squadron
Eglin AFB, FL, February 2012

The 85th Test & Evaluation Squadron is responsible for operational testing of US and allied weapons and upgrades, including the evaluation of the 'Have Glass 5' paint scheme. 98-0005 received the paint in the spring of 2011. Due to the nature of the 85th's testing duties, nearly any weapons can be seen on the squadron's fleet of F-16s. If it is in the USAF inventory, the 85th has at one time tested it. On day-to-day pilot proficiency missions, a centerline ECM pod (either the ALQ-184 or ALQ-131), two CATM-120s, an AIM-9X, ACMI pod, and dual-carriage of the HTS and Sniper pod combo is often the standard load.



98-0004 Block 50
85th Test & Evaluation Squadron
Eglin AFB, FL, February 2014

98-0004 is another Block 50 Viper assigned to the 85th TES, and it also has been painted to evaluate the new paint scheme. It has been fitted with a few antennas unique to this Viper. These antennas relay flight information in real-time back to the ground, where engineers can quickly interpret the information to monitor the test mission. Like 98-0005 above, this F-16 can be seen carrying a wide variety of ordnance during a test mission.



90-0799 Block 40
85th Test & Evaluation Squadron
Eglin AFB, FL, February 2012

90-0799 is one of three D-model F-16s assigned to the 85th TES. This particular jet is a very late-model Block 40. These last few D-model Block 40s were built with the same reinforced body as their Block 50 cousins. As a result, they do not have a need for the extra reinforcement plates that were added to the Block 40/42 fleet.





**87-0391 Block 40
445th Flight Test Squadron
Edwards AFB, CA, February 2010**

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**85-1560 & 86-0371 Block 30s
445th Flight Test Squadron
Edwards AFB, California, February 2014**

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Paint stencil 'B'

Paint stencil 'C'

MAJ MARTIN MEYER

SRA MATTHEW SELF

SSGT ANTHONY HACKWORTH

A1C RONELSON PERDOMO

SSGT JASBIR SANDHU
SRA JESSE MITCHELL

MR ROB ADAM

MR DAVE J ESLER

COL WILLIAM J THORNTON

COL DANIEL P MORIN

87-0391

ED 412 TW 4391

AF 67 391

85-1560

ED 412 TW 4391

AF 67 391

85-1560

ED 85 560

86-0371

ED 86 371

AF 86 371

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91-0391 Block 50
148th Fighter Wing, Minnesota ANG
Kandahar Air Field, Afghanistan
September 2012



Paint stencil 'A'



The dark gray Have Glass 5 paint scheme was tested during the late summer of 2012 on one jet during a combat deployment. When the 148th Fighter Wing of the Minnesota Air National Guard deployed to Kandahar Air Field, Afghanistan, in August 2012, they took along F-16C 91-0391 to evaluate the new paint in an operational environment. This jet flew combat missions daily alongside the other 148th Fighter Wing's Block 50 Vipers. During the unit's deployment, the ordnance load remained somewhat standard.

- AIM-120 AMRAAMs on outboard stations
- Stations 2/8 empty, but with AN/ALE-50 towed decoys
- GBU-38 JDAM on station 3/7, either loaded singly or as pairs on a BRU-57 'smart' rack
- two external wing fuel tanks
- Sniper/HTS pod combo on the engine inlet stations

F-16s painted in the overall dark gray Have Glass 5 scheme do not have a known FS number paint match. The modeler will have to experiment with mixes to achieve the correct result. In our opinion, FS 36076 may work well as a starting point. All stencils on these aircraft are confirmed FS 36270 Neutral Gray.

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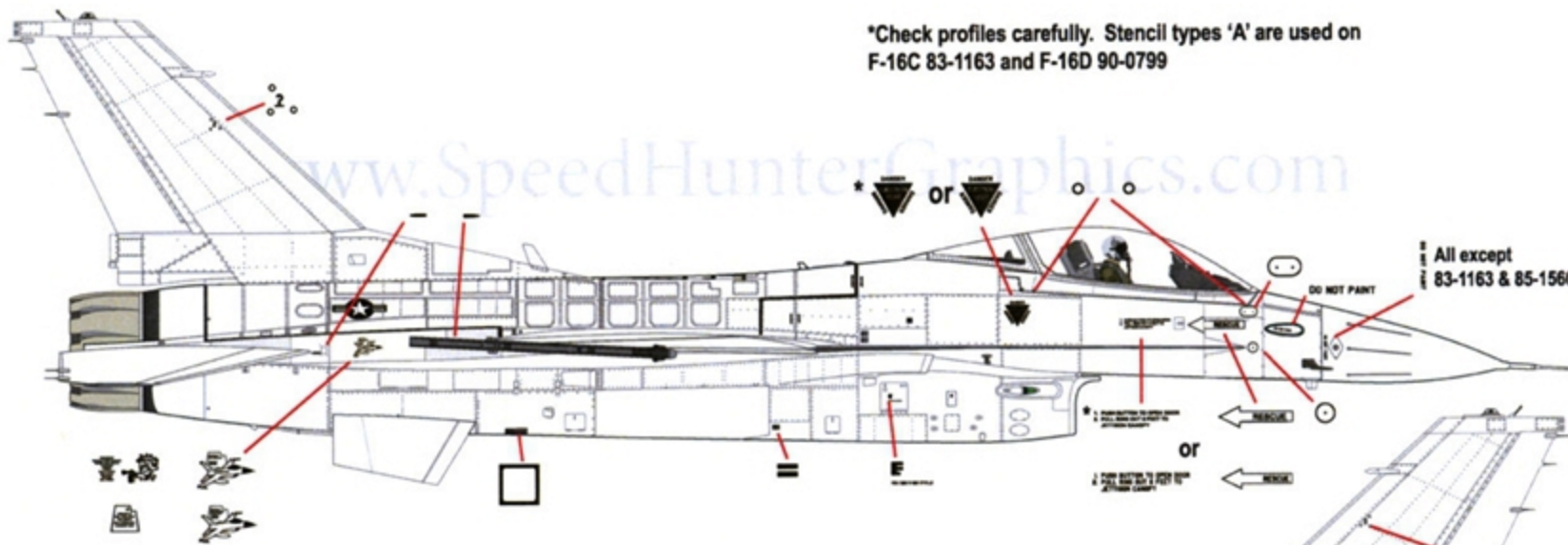


Special thanks!!!!
Mike Valdez
Sean Hampton

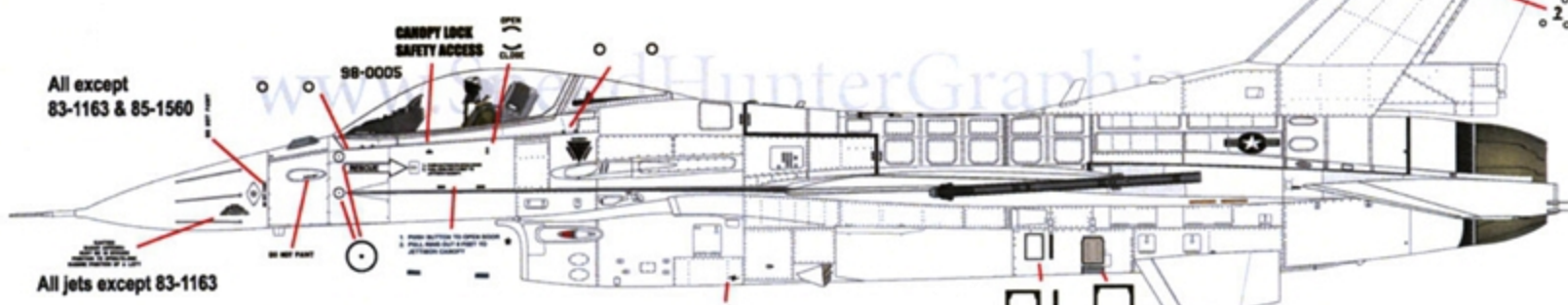
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*Check profiles carefully. Stencil types 'A' are used on F-16C 83-1163 and F-16D 90-0799

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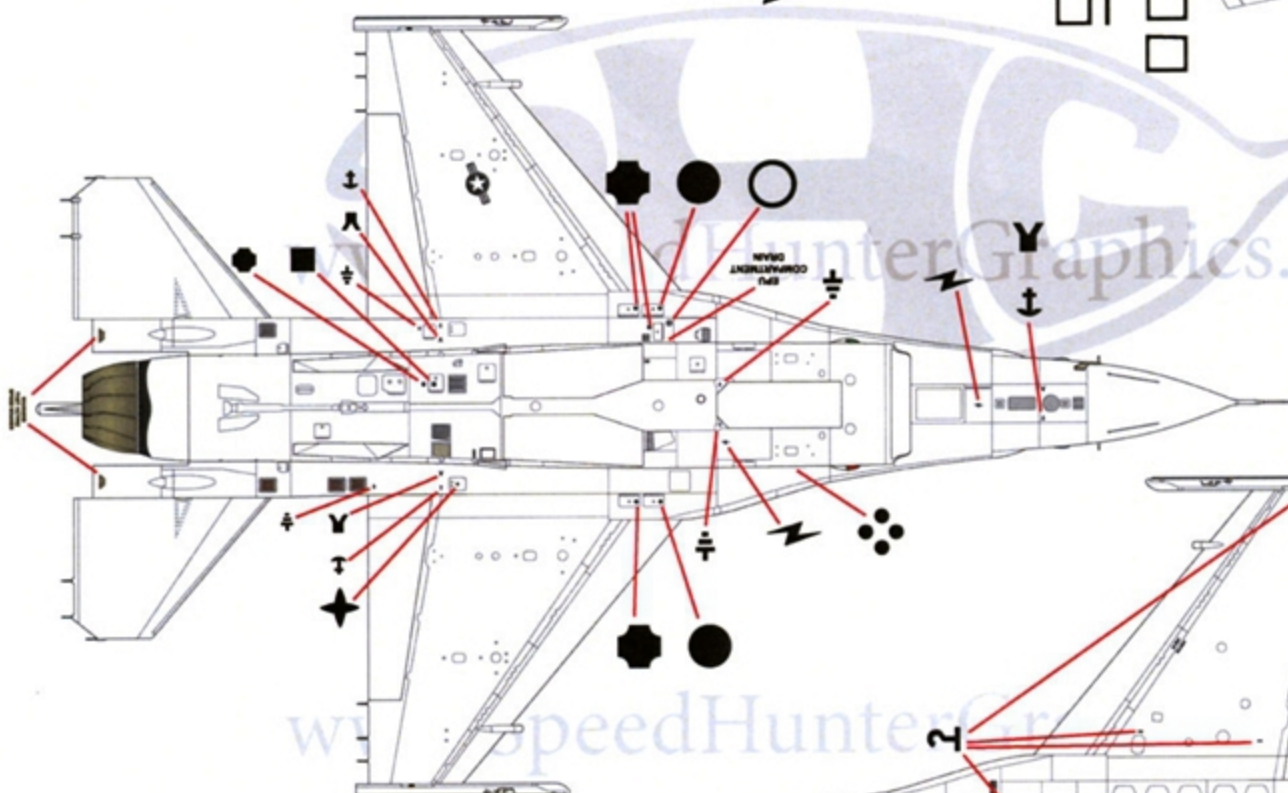


All except 83-1163 & 85-1560

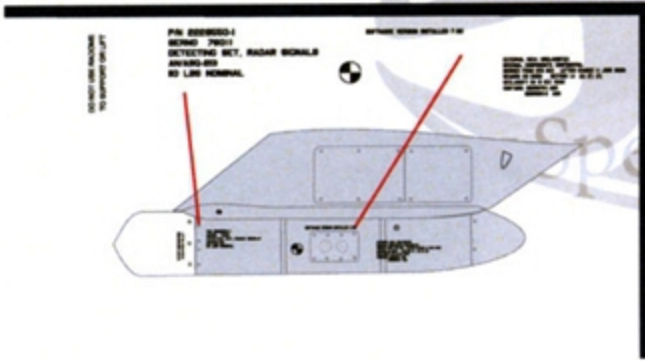
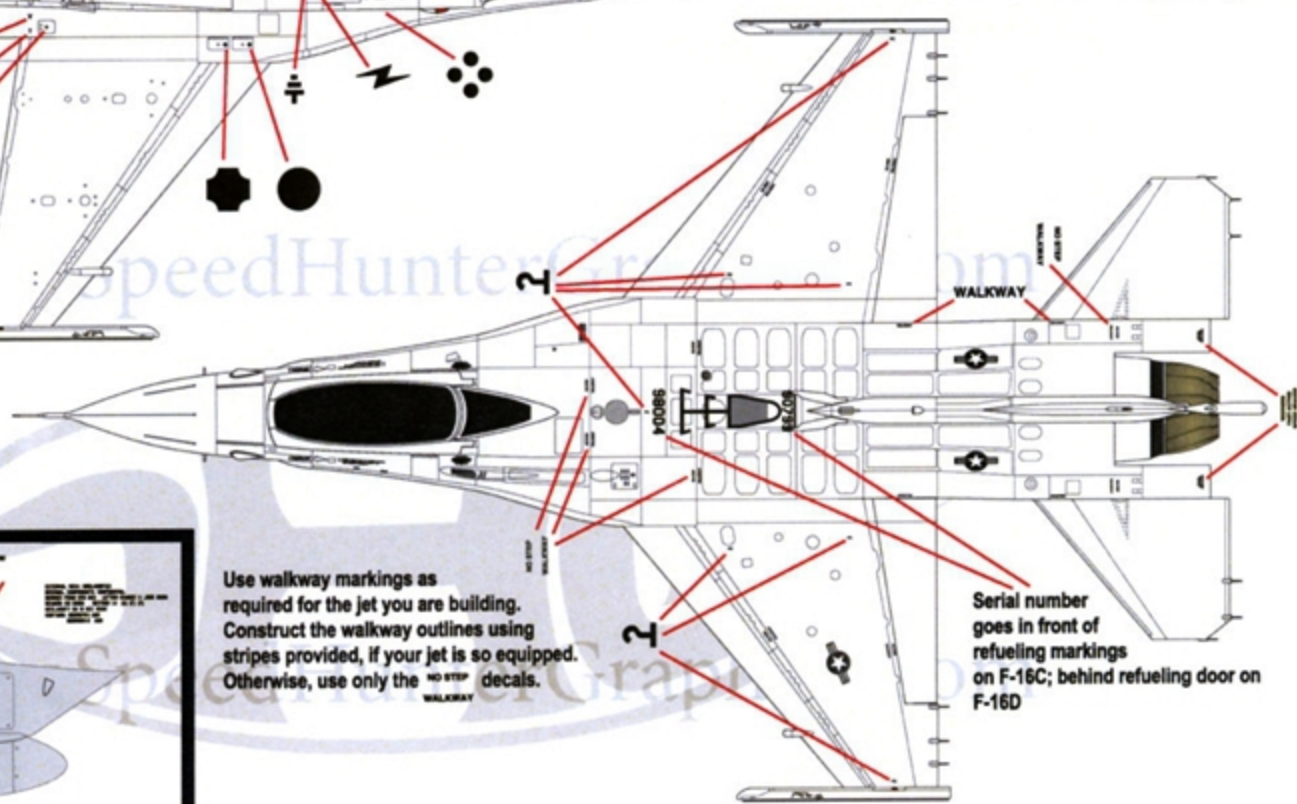


All except 83-1163 & 85-1560

All jets except 83-1163



Two books the modeler will find useful while building the F-16s depicted on this sheet are available from Reid Air Publications. The Modern Viper Guide and The Viper Story, Part II: Test & Training F-16s can be ordered at www.reidairpublishing.com



Use walkway markings as required for the jet you are building. Construct the walkway outlines using stripes provided, if your jet is so equipped. Otherwise, use only the NO STEP WALKWAY decal.

Serial number goes in front of refueling markings on F-16C; behind refueling door on F-16D